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25X1	Post Office Box Southwest Statio Washington, D. C	n				
25X1	Reference:		Letter 30 Dece	ember 1966		
25X1	Subject:	equest for Ch unds	ange in Scope an	d Additional		
	Gentlemen:					
	On page a budgetary price extensions. Inac and we therefore	e for a produ ivertently th	e figures were t	f microscope ransposed.		
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	We sind have been caused	erely regret	any inconvenienderror.	ce that may		-
			Very truly your	S, .		
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DECLASS RE	VIEW by	Exec	cutive Vice Presi	ldent		
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	Approved For Release 2004/03/26 : CIA-RDP78B04747A002200020013-2	25X1
	REGISTERED 30 December 1966	
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25X1		
	Post Office Box 8043	
	Southwest Station Washington, D. C. 20024	
25X1	Subject: Request for Change in Scope and Additional Funds	
	Gentlemen:	
	Based on recent experience obtained with the assembled Model 635 Film Viewing Table presently under development at it has become apparent that changes are necessary in the basic design concept of the equipment to make it more desirable for use. The present equipment is designed and has been constructed in full accordance with the design objectives as specified in the contract. The change proposed herein is beyond the scope as originally defined and will require a specification change as well as an increase in contract cost.	25X1
25X1	The problem stems from the mounting location and configuration with respect to the Versatile Microscope. The concept for use of equipment is that the operator will be seated in a conventional office chair. The technical representative has informed us that the operator will not use a high drafting stool or operate in a standing position. From human, engineering and operating	
	efficiency standpoints, it is necessary that a comfortable chair be used. With this restriction on the use of the equipment, it is not possible to use the equipment as originally conceived. The investigation and proposed change described below we feel fully accomplishes the objectives as verbally discussed with the Contracting Officer's Technical Representative.	
	An investigation has been made into possible solutions to this problem at the request of the Contracting Officer's Technical Representative. Various solutions have been considered, including extending the travel of the microscope toward the front of the instrument to put the specific account of the instrument to put the second of th	

An investigation has been made into possible solutions to this problem at the request of the Contracting Officer's Technical Representative. Various solutions have been considered, including extending the travel of the microscope toward the front of the instrument to put the eyepieces in a more convenient viewing position. However, all approaches along this avenue have resulted in some compromise with the original design objectives, such as reduction of microscope coverage, interference of rhomboids with support castings, or interference with controls. It was decided that the basic problem could not be remedied in this manner without sacrificing other desirable features of the existing equipment. Consequently a different approach was taken in which the basic instrument remains essentially unchanged and an accessory is added to the microscope to permit comfortable viewing. This latter approach is our proposed solution based on considerations of cost, instrument capability, human engineering and delivery.

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It was apparent that the deterioration of resolution is less than 10% and is, in effect, hardly measurable. The field of view remains unchanged. Light loss will be held to less than 20% by use of coated lenses and high efficiency reflecting mirrors.

The assembly will be constructed to the highest commercial standards.

An aluminum alloy will be used for main parts to minimize weight and all other metal parts will be of corrosion resistant materials. The weight of the unit will not exceed 1.5 pounds. Interpupilary distance will be adjustable from 55 to 75mm and a locking device will be provided.

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	The development effort will aspects of the viewing problem to det eyepieces for most operators. This was determine exact performance character. The final design will then be convert unit fabricated. We believe, that was ment process will take six weeks.	termine the most will be followed ristics and to f	finalize the optical components. uring drawings and a prototype	
25X1	has evaluate	ed the cost of p	performing the design and	
25XT	ed above. The cost analysis modified by increasing the increased by All other entive, remain as at present.	25X		
	interference with this proposed modi- authority to proceed with the propos- to final delivery of the end item as valid for sixty (60) days from the d- additional information, please don't	fication. Once ed modification modified. Thi ate of this let	, we will require six weeks s quotation shall remain ter. If we can provide any	25X ⁻
	The Contracting Officer's budgetary price for a production qua Very little time has been allowed fo our best knowledge it is believed at follows:	ntity of these a r making such a	microscope extensions. budgetary estimate, but to	
÷	Quantity	Price		
	10 20 40			25X ⁻
,	We would suggest that if y for the microscope extension, the for time a finalized price will be sent.	ormal request fo	ted in a production quotation or quote be submitted, at which	
		Very t	truly yours,	
				25X ²
	•	Executive	Vice President	

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(2) Cost Analysis Sheet